

ABSTRACT OF THE DISCLOSURE

A no-needle blood access device for hemodialysis comprising, an elongated metallic body (20), the body being provided at its upper surface with a recess (22), a periphery of the recess being formed with a peripheral wall (24) defining a well (26) therein; a pair of shutters (40, 42) slidably housed within opposed pockets (36, 38) respectively, the pockets being formed at the upper part of the body so that each of their lower surfaces flush with the bottom surface of the recess, each of the shutters including through-holes (40c, 42c) respectively; a longitudinally extending through-hole (30) disposed in the lower part of the body, each of first and second artificial conduits (12, 14) being fitted into respective ends of the longitudinally extending through-hole, the artificial conduits being anastomosed to a targeted artery or vein; and a pair of vertical through-holes (44, 46) disposed at portions of the body each communicating to the respective through-holes of the shutters when they are opened; whereby the device is arranged such that, when each of the shutters is slided in a direction away from each other, the well is in communication with each of the artificial conduits through the longitudinally extending through-hole and the vertical through-holes of the body and each of the through-holes of the shutters, and when each of the shutters is slided in a direction near to each other, the well is out of communication with each of the artificial conduits.